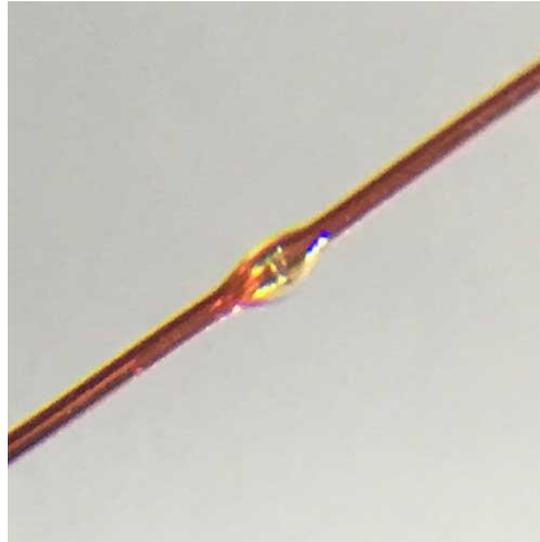


APPLICATIONS:

LED e-Textiles and Clothings
LED Shoes
LED Jewelries and Bead
LED Bags
LED Hats
Apparels Brand Light Up



FEATURES:

- Ultra thin micro LED Fiber :
0.4-1.0 mm thick
- GSP5 / GSP10 / GSP15 / GSP20 /
GSP25 / GSP30 :
5, 10, 15, 20, 25, 30 mm LED Pitch
Options
- DC or AC Options
- 360° Degree Luminous

GLOSILQ is an ultra thin mini LED fiber or thread targeting the wearable, e-textile and e-jewelry market. Using patented chip-on-wire technology, bare LED dies are mounted onto fine copper wire. Without the standard bulky LED package in off-the-shelf LED rope or LED string, these LEDs are smaller, thinner and lighter. Integrated with fiber copper yarn, the LED achieves a very flexible form factor to be used with fabrics and jewelry bead. This marks the milestone of long sought goal of creating smart garment and smart jewelry.

Using textile cording /coiling method, the GLOSILQ LED fiber can be designed into many patterns such as logo.

GLOSILQ LED Fiber can easily penetrates through the hole of crystal beads, gemstone beads, pearl beads and lights up. Depending on the transparency and color of bead material, the light may be diffused and light color can be altered in many creative ways.

Effulgent Inc.

California, U.S.A.

**Shenzhen Effulgent
Technology Ltd.**

Shenzhen, China.

<https://effulgent.co>

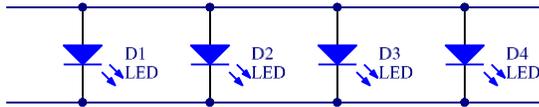
ORDER CODES:

GS P x L x X - XC

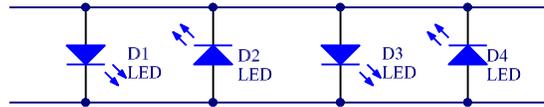
ORDER CODE	PITCH (mm)	LENGTH (meter)	LED COLOR	CURRENT
GSPxLxX-XC	P5 - 5mm P10 -10mm P15 -15mm P20 -20mm P25 -25mm P30 -30mm	L1 - 1m	R - Red G - Green B - Blue P - Pink CW - Cool White WW- Warm White	DC - Direct Current AC - Alternating Current
GSP05L1R-DC	5	1	Red	DC
GSP05L1G-DC	5	1	Green	DC
GSP05L1B-DC	5	1	Blue	DC
GSP05L1P-DC	5	1	Pink	DC
GSP05L1CW-DC	5	1	Cool White	DC
GSP05L1WW-DC	5	1	Warm White	DC
GSP05L1R-AC	5	1	Red	AC
GSP05L1G-AC	5	1	Green	AC
GSP05L1B-AC	5	1	Blue	AC
GSP05L1P-AC	5	1	Pink	AC
GSP05L1CW-AC	5	1	Cool White	AC
GSP05L1WW-AC	5	1	Warm White	AC
GSP10L1R-DC	10	1	Red	DC
GSP10L1G-DC	10	1	Green	DC
GSP10L1B-DC	10	1	Blue	DC
GSP10L1P-DC	10	1	Pink	DC
GSP10L1CW-DC	10	1	Cool White	DC
GSP10L1WW-DC	10	1	Warm White	DC
GSP10L1R-AC	10	1	Red	AC
GSP10L1G-AC	10	1	Green	AC
GSP10L1B-AC	10	1	Blue	AC
GSP10L1P-AC	10	1	Pink	AC
GSP10L1CW-AC	10	1	Cool White	AC
GSP10L1WW-AC	10	1	Warm White	AC

*This table is insufficient to illustrate all SKU options. Please refer to sales for ordering.

SCHEMATICS:



DC LED Schematic



AC LED Schematic

OPERATION CONDITIONS:

PARAMETER	RED	GREEN	BLUE	PINK	WHITE	Unit
Forward Voltage (Vf)	2.0-2.4	2.4-2.8	2.6-3.0	2.6-3.0	2.6-3.0	V
Operating Current (If)	3	3	3	3	3	mA
Reverse Current (Ir)	1	0.1	0.1	0.1	0.1	μ A
Reverse Voltage (Vr)	5	5	5	5	5	V

CERTIFICATION:

- RoHS Compliant
- IP68

WASHABILITY:

- Steam cleaning only (max. 100 deg C). Non machine washable.

DISCLAIMER

PLEASE CAREFULLY READ THE BELOW TERMS AND CONDITIONS BEFORE USING THE INFORMATION SHOWN HEREIN. IF YOU DO NOT AGREE WITH ANY OF THESE TERMS AND CONDITIONS, DO NOT USE THE INFORMATION.

The information provided in this general information document was formulated using the utmost care; however, it is provided by Effulgent Inc. on an “as is” basis. Thus, Effulgent Inc. does not expressly or implicitly assume any warranty or liability whatsoever in relation to this information, including – but not limited to – warranties for correctness, completeness, marketability, fitness for any specific purpose, title, or non-infringement of rights. In no event shall Effulgent Inc. be liable – regardless of the legal theory – for any direct, indirect, special, incidental, exemplary, consequential, or punitive damages arising from the use of this information. This limitation shall apply even if Effulgent Inc. has been advised of possible damages. As some jurisdictions do not allow the exclusion of certain warranties or limitations of liabilities, the above limitations and exclusions might not apply. In such cases, the liability of Effulgent Inc. is limited to the greatest extent permitted in law.

Effulgent Inc. may change the provided information at any time without giving notice to users and is not obliged to provide any maintenance or support related to the provided information. The provided information is based on special conditions, which means that the possibility of changes cannot be precluded.

Any rights not expressly granted herein are reserved. Other than the right to use the information provided in this document, no other rights are granted nor shall any obligations requiring the granting of further rights be inferred. Any and all rights and licenses regarding patents and patent applications are expressly excluded.

It is prohibited to reproduce, transfer, distribute, or store all or part of the content of this document in any form without the prior written permission of Effulgent Inc. unless required to do so in accordance with applicable law.